

"APPROVED FOR RELEASE: 09/19/2001

CIA-RDP86-00513R001963620011-2

ZAKRSHEVSKIY, P.

Excessive supplementary payments. Fin. SSSR 37 no.10:34-36 O '63.
(MIRA 17:2)

APPROVED FOR RELEASE: 09/19/2001

CIA-RDP86-00513R001963620011-2"

BELEN'KIY, I.A.; YESIMONTOVSKIY, M.G.; ZAKRUTKIN, V.F.; SUDAKOV, N.P.;
ALEKSEYEV, V.N., kandidat tekhnicheskikh nauk, retsentent.

[Manual on repairing automobile tires] Rukovodstvo po remontu avtomobil'nykh shin. Leningrad, Gos. nauchno-tekh. izd-vo mashinostroit. i sudostroit. lit-ry, 1953. 136 p. (MLRA 7:5)

(Automobiles--Tires)

ZAKRUTKIN, V. F.

BELEN'KIY, I.; ZAKRUTKIN, V. F.

Simple method of testing tire repair materials. Avt.transp.32
no.10:23 0'54. (MIRA 7:12)

1. Leningradskiy shinoremontnyy zavod.
(Automobiles--Tires)

ZAKRUTKIN, V.V.

Pseudotachylytes of Anabar and their age. Dokl. AN SSSR 136 no.2:
419-420 '61. (MIRA 14:1)

1. Rostovskiy-na-Donu gosudarstvennyy universitet. Predstavлено
akademikom A.L. Yanshinyu.
(Anabar Valley---Pseudotachylyte)

ZAKRUTIKIN, V.V.

Comparative characteristics of amphiboles from rocks of the amphibolite and granulite facies of the Anabar Shield. Geol. i geofiz.
no.9:72-80 '61. (MIRA 14:11)

1. Rostovskiy-na-Donu gosudarstvennyy universitet.
(Anabar Valley--Amphiboles)

ZAKRUTKINA, Lidiya Grigor'yevna; BESSTRASHNIKOVA, M.I., red.;

[The searchers] Iskateli. Rostov-na-Donu, Rostovskoe
knizhnoe izd-vo, 1964. 75 p. (MIRA 18:8)

ZAKRUZHNYY, A.

For economy and thrift: Against unnecessary stocks. Fin. SSSR 37 no.10:
28-32 O '63. (MIRA 17:2)

ZAKRWEWSKA, Jozefa [deceased]

Prof. Dr. Leon Popiel'ski. 40th anniversary of his death and 50th anniversary of his appointment to the department of pharmacology and pharmacognosy of the Lwow University; Acta physiol pol 12 no.3:331-345 '61.

(BIOGRAPHIES)

1.1110 also 1513

21926
S/184/61/000/003/004/004
D041/D113

AUTHOR: Zakryatin, M.I., Murav'yev, I.K.

TITLE: Gas-cutting rotary machine-tool

PERIODICAL: Khimicheskoye mashinostroyeniye, no. 3, 1961, 41-42

TEXT: The Uralkhimash plant has designed and manufactured a gas-cutting rotary machine-tool (see figure) for machining bottom rims, shells, rings 500-5200 mm in diameter, and for cutting shell sections (up to 3000 mm high) into rings of arbitrary width.

The table (1) has a diameter of 3500 mm and four T-shaped slots. In order to improve the centering of the work piece, concentric graduation lines with a 100 mm spacing were cut into the table. Since the diameters of the work pieces are larger than the table-diameter, extension pieces are used. The table is centered by means of a conical pin (2). The table is mounted on six roller supports (3) which are shaped like a truncated cone, and is rotated by an electric motor through the gear (6) of the reducing gear (5) meshed with the tooth rim (4). The gear of the reducing-gear shaft is

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D041/D113

Gas-cutting rotary machine-tool

engaged with the end gear of the multiple-variation reducing device which may be switched over to operations with the following ratios: 1:1, 1:3, 1:9, and 1:22. The cutter is mounted in the carriage seat (8) with a rack pinion-shaft on the end of which a wing nut is fastened regulating the clearance between cutter and cut metal. When machining inner and outer edges, the carriage and cutter can be adjusted to the required angle. A copying roller (9) is provided for copying the surface of work pieces. The telescopic arrangement of pipes (12) permits the cutter to approach the rotation center of the work piece (table), i.e. at a distance of 250 mm, and move away from it to a distance of 2000 mm. The bearing sleeve of the telescopic pipe arrangement is made of one piece with a support (13), moving on a vertical prop (16) by means of a pilot wheel (15). The control panel of the machine-tool is located at the operator's platform (10) which can move towards the center of the table by means of the pilot wheel (11). When machining work pieces with a diameter of more than 4000 mm, the working platform can be adjusted at an angle of up to 90° to the lifting rod. A worm-type reducing gear (17) rotated by the electric motor (18) moves the rod with the cutter tip and the platform. The described machine-tool can also machine stiffening rings and supporting rings of up to 5200 mm in diameter without subsequent

Card 2/3

Gas-cutting rotary machine-tool

21926
S/184/61/000/003/004/004
D041/D113

mechanical working. Abstracter's note: Essentially complete translation.
There is 1 figure.

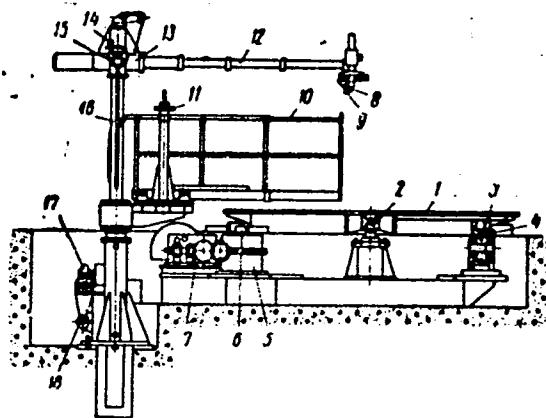


Схема газорезательного карусельного станка.

Figure of a gas-cutting rotary machine-tool.

Card 3/3

ZAKRYATIN, M.I., tekhnik

Mechanizing the removal of backing from weld joints. Svar.
proizv. no. 9:29-30 S '62. (MIRA 15:12)

1. Ural'skiy zavod khimicheskogo mashinostroyeniya.
(Welding—Equipment and supplies)

ZAKRYATIN, M.I., inzh.

Removing the reinforcements of welded seams by milling. Khim.
1 neft. mashinostr. no.1; 31-32 J1 '64. (MIRA 17:12)

GLOWINSKI, Mieczyslaw; SMIGLA, Krystyna, ZAKRYS, Felicyta.

Therapy of a case of Bowen's disease of the vulva. Ginek.
pol. 34 no. 6:745-750 '63.

1. Z I Kliniki Poloznictwa i Chorob Kobiecych Sl. AM w
Zabru(kierownik: prof.dr.med.M.Glowinski) i z Zakladu
Anatomii Patologicznej Sl.AM w Zabru (kierownik: prof.
dr.med.W.Niepolomski).

*

SKUBISZEWSKI, Feliks; ZAKHYS, Marian ; OLEKSY, Tadeusz

Treatment of urolithiasis. Urol.polska 7:43-53 1954.

l. Z II Kliniki Chirurgicznej A.M. w Lublinie. Kierownik:
prof. dr F. Skubiszewski.

(CALCULI,
urinary, ther.)
(URINARY TRACT, calculi,
ther.)

LITERATURA MEDICALNA Sec 2 Vol. 9/5 Surgery Aug 55
ZAKRYS M

4293. ZAKRYS M. 2. Klin. chir. Akad. med., Lublin. "Urazowe uszkodzenia
nerek. Injuries of the kidney POL. TYG. LEK. 1954, 9/27 (840-845)
Illus. 5

On a total of 16,677 patients in an 8-year period only 29 cases of closed trauma of the kidneys were observed (0.17%). The degree to which the kidney vessels are filled with blood, and the pelvis with urine, is essential, as shown by Küster's experimental investigations. Clinical symptoms are: dull pain, shock, palpable tumour and haematuria. The degree of the lesion of the kidney and its functional efficiency may be inferred from an i. v. urography; this, however, not until the shock symptoms cease. It should be borne in mind that deformation of the calyces and the renal pelvis may be caused by a haematoma in the renal region. Better results are achieved by retrograde pyelography which gives more information as to the grade of the lesion and the indication for surgical treatment. No infection was observed. Treatment is usually conservative. Only in case of a palpable tumour (haematoma) is surgical intervention indispensable. Saving the kidney should be attempted in every case by stopping the haemorrhage, by suturing the rupture and by partial nephrectomy, provided undisturbed passing of urine is possible. Only in 5 out of 29 cases was surgery necessary.

Author

EXCERPTA MEDICA Sec.9 Vol.11/10 Surgery Oct 57
ZAKRYS M.

5420. ZAKRYS M. II.Klin. Chir. Akad. Med., Lublin. *Ostra niedrożność przejścia pokarmowego na podstawie materiału klinicznego. Acute occlusion of the alimentary tract on the basis of clinical material ANN. UNIV. LUBLIN, SECT.D 1956, 10 (85-158) Graphs 1 Tables 5 Illus. 12

This is a very detailed study of 191 cases of acute intestinal obstruction in the course of 9 yr. 122 patients were treated with operation and 69 with conservative measures. The surgical procedure consisted of removal of the obstacle. In cases where there was doubt as to the viability of the occluded portion, partial resection with end-to-end anastomosis was performed. In ilico-coecal invagination right hemicolectomy was performed. The mortality rate in patients with disturbances in mesentery circulation (strangulatio) was 28.2%. In patients without this complication (obturatio, stricturna intestini) 9.3%. The author prefers spinal anaesthesia in cases responding favourably to it.

Rykowski - Warsaw

ZAKRYS, Mieczysław; JASTRZĘBSKI, Tadeusz

Malignant tumors of the kidney. Urol. polska 10:119-127 1956.

1. Z II Kliniki Chirurgicznej A. M. w Lublinie. Kierownik: prof. dr
F. Skubiszewski.
(KIDNEYS, neoplasms
malignant (Pol))

TCHORZEWSKI, Klemens; ZAKRYS, Mieczyslaw

Role of arteriography in diseases of the peripheral arterial system. Polski przegl. chir. 28 no.7:587-590 July 56.

1. Z II Kliniki Chirurgicznej A.M. w Lublinie Kierownik: prof. dr. F. Skubiszewski, Lublin, ul. Staszica 16.

(ANGIOGRAPHY,
arteriography in peripheral dis. (Pol))

ZAKRYS, Mieczyslaw; TCHORZEWSKI, Klemens; NAKONIECZNA, Wanda

Arterial diseases of the lower extremities; observations at the
Second Surgical Clinic. Polski przegl. chir. 28 no.7:655-661
July 56.

1. Z II Kliniki Chirurgicznej A.M. w Lublinie Kierownik: prof.
dr. F. Skubiszewski, Lublin, ul. Staszica 16. II Klinika Chirurgiczna
A.M.

(VASCULAR DISEASES, PERIPHERAL,
arterial dis. of extremities (Pol))

ZAKRYS, Mieczyslaw; TCHORZEWSKI, Klemens

Value of pendiomide in the treatment of peripheral vascular diseases. Polski przegl. chir. 28 no.7:695-698 July 56.

l. Z II Kliniki Chirurgicznej A.M. w Lublinie Kierownik: prof.
dr. F. Skubiszewski, Lublin, ul. Staszica 16. II Klinika
Chirurgiczna A.M.

(VASCULAR DISEASES, PERIPHERAL, therapy,

pendiomide (Pol))

(AUTONOMIC DRUGS, therapeutic use,

pendiomide in peripheral vasc. dis. (Pol))

ZAKREYS, Mieczyslaw; CZUWAR, Stanislaw

Neurilemmoma of the stomach with personal case reports. Polski tygod.
lek. 13 no.28:1073-1077 14 July 58.

1. Z II Kliniki Chirurgicznej A. M. w Lublinie; kierownik; prof. dr
F. Skubiszewski i z Zakladu Anatomii Patologicznej A. M. w Lublinie;
kierownik: prof. dr St. Mahrbur. Adres: Lublin, ul Staszica 16, II Klin.
Chir. Amb.

(STOMACH NEOPLASMS, case reports
neurilemmoma (Pol))

(NEURILEMMOMA, case reports
stomach (Pol))

ZAKRYS, Mieczyslaw; KLAMUT, Marian

Clinical value of transcutaneous transhepatic cholangio-graphy. Pol. tyg. lek. 18 no.44:1640-1642 28 0'63.

1. Z II Kliniki Chirurgicznej AM w Lublinie (kierownik: prof. dr. Feliks Skubiszewski) i z Zakladu Radiologii AM w Lublinie (kierownik: doc.dr. Kazimierz Skorzynski).

*

ZAKRYS, Mieczyslaw

Results of surgical treatment in gastric cancer. Polski przegl.
chir. 33 no.7/9:719-721 '61.

1. z II Kliniki Chirurgicznej AM w Lublinie Kierownik: prof. dr
F. Skubiszewski.
(STOMACH NEOPLASMS surg) (GASTRECTOMY)

SKUBISZEWSKI, Feliks; ZAKRYS, Mieczyslaw

Total gastrectomy in gastric cancer. Polski przegl. chir. 33 no. 7/9:
729-731 '61.

l, z II Kliniki Chirurgicznej AM w Lublinie Kierownik: prof. dr
F. Skubiszewski.
(STOMACH NEOPLASMS surg) (GASTRECTOMY)

ZAKRYS, Mieczyslaw; PAWLOWSKI, Aleksander; CZARKOWSKA, Daniela

Clinical observations on 3 cases of chromaffin tumors of the adrenal gland. Pol. tyg. lek. 19 no. 44:1688-1690 N 2 '64

1. Z II Katedry Chirurgii Akademii Medycznej w Lublinie (Kierownik: prof. dr. med. F. Skubiszewski) i z Katedry Anatomii Patologicznej Akademii Medycznej w Lublinie (Kierownik: prof. dr. med. St. Mahrburg).

ZAKRYTYY, M.I.; GONCHAROV, V.P.; MINEYEVA, I.D.

Exclusion of bottom waters in oil wells of the Sokoliovogorskii
gas and oil fields. Biul. tekhn.-ekon. inform. Gos. nauch.-
issl. inst. nauch. i tekhn. inform. 17 no.3:21-23 '64.
(MIRA 17:9)

TILICHENKO, M.N.; ZAKRYZHEVSKAYA, I.T.

Conversion from tricyclohexanolone to hydroxytricyclohexylamine.
Zhur. org. khim. 1 no.4:796-797 Ap '65. (MIRA 12:11)

1. Dal'nevostochnyy gosudarstvennyy universitet.

SWITALSKA, A.; ZAKRZEWSKA, A.

Determination of phospholipase C (*Clostridium perfringens* Type A).
Activity by diffusion in agar gel with lecithin. Bul Ac Pol
biol 10 no.3:79-81 '62.

1. Department of Control of Sera and Vaccines, State Institute
of Hygiene, Warsaw. Presented by E.Mikulaszek.

X

POLAND

ZAKRZEWSKA, Amelia, Research Office for Sera and Vaccines
(Zaklad Badania Surowic i Szczepionek), PZH [Panstwowy Zak-
lad Higieny, State Institute of Hygiene] in Warsaw (Direct-
or: Prof. Dr. H. KEISEL)

"Studies on Deoxyribonucleinsase Produced by Clostridium
Perfringens."

Warsaw, Nedycyna Doswiadczenialna i Mikrobiologia, Vol 15, No
2, 63, pp 141-147.

Abstract: [Author's English summary] Culture fluids of
Clostridium perfringens type A cultures were salted out
with 600 g/liter ammonium sulphate. Twenty six fractions
were isolated by starch electrophoresis. DN-ase and phos-
phatase activities of each fraction were tested. The Clostr.
perfr. phosphatase was most active at pH 6.0 and inactive
at a pH higher than 7.2, i.e., under conditions where
the activity of the DN-ase was evident. There are eight
(8) references, of which three (3) each are Polish and
English, and one (1) each are Russian and Swiss.

1/1

ZAKRZEWSKI, Aleksander; ZAKRZEWSKA, Aleksandra

Therapeutic value of terramycin (oxytetracycline) in certain forms
of scleroma. Otolar. polska 10 no.3-4:451-453 1956.

1. Z Kliniki Otolaryngologicznej A.M. w Poznaniu, Kierownik:
prof. dr. A. Zakrzewski, Poznan, Przybyszewskiego 49.

(RHINOSCLEROMA, therapy,

oxytetracycline (Pol))

(OXYTETRACYCLINE, therapeutic use,
rhinoscleroma (Pol))

ZAKRZEWSKA, Amelia

Effect of compounds containing sulphhydryl groups on the phospholipase C activity in Clostridium perfringens type A. Med. dosw. mikrobiol.
16 no.4:331-338 '64

1. Z Zakladu Badania Surowic i Szczepionek Państwowego Zakładu Higieny (Kierownik: prof. dr. H. Meisel).

DYNOWSKA, Zofia; ZAKRZEWSKA, A.; ALEKSANDROWICZ, J.; ZAPART, Wanda;
GANCARZ, Zygmunt

The use of fractionated *Trichinella spiralis* antigens in the diagnosis
of trichinosis. Wiad. parazytol. 10 no.4:311-312 '64

1. Zaklad Parazytologii Lekarskiej Państwowego Zakładu Higieny,
Warszawa.

MEDUSKI, J.; ZBROZYNA, A.; ZAKRZEWSKA, A.; OLKOWSKA, D.

Studies on phospholipase C in Clostridium perfringens;
saturated lecithins as a substrate of phospholipase C in
aqueous medium. Acta microb. polon 5 no.1-2:73-76 1956.

1. Z Pracowni Przemiany Posredniej Zakladu Biochemii PZH w
Warszawie.

(LIPASES,

phospholipase C from Clostridium perfringens, eff.
on saturated lecithins in aqueous solution (Pol))

(CLOSTRIDIUM PERFRINGENS,

same)

(LECITHIN,

eff. of phospholipase C from Clostridium perfringens on
lecithin in aqueous solution (Pol))

ZAKRZEWSKA, AMELIA

✓ Effect of (ammonium) molybdate on the hydrolysis of
phosphocholine. Amelia Zakrzewska (Zaklady Biegacej,
PZF, Warsaw). Rocznik Państwowych Zakładów Hig. T.
33-02(1958)(English summary). — Catalytic effect of NH₄
molybdate (I) on the hydrolysis of Bu₄N₃ of phosphocholine
depends on the duration of hydrolysis, concn. of I and on
pH of the environment in which the reaction is carried out.
F. J. Hendel

ZAKRZEWSKA, Amelia

Studies on desoxyribonuclease of Cl. perfringens. Med. dosw.
mikrobiol. 15 no.2:141-147 '63.

I. Z Zakladu Badania Surowic i Szczepionek PZH w Warszawie
Kierownik Zakladu, prof. dr H. Meisel.

(DESOXYTIBONUCLEASE)
(CLOSTRIDIUM PERFRINGENS)

DYMOWSKA, Zofia; ZAKRZEWSKA, Anolia

Attempted determination of some enzymatic properties of 1σ -
spiral strains. Med. dosw. mikrobiol. 16 no.2:79-85 '64.

1. Z Zakladu Parazytologii Lekarskiej i z Zakladu Badania Surowic
i Szczepionek Państwowego Zakladu Higieny w Warszawie.

ZAKRZEWSKA, P.

Some psychopathological problems in physiological interpretation.
Neurol. neurochir. psychiat. polska 2 no. 2:189-196 Mar-Apr 1952.
(CIML 22:4)

ZAKRZEWSKA, F.

Unconditioned and conditioned vasoconstrictor reflexes to cold in schizophrenia in deficit state. Neurologia &c. polska 3 no.6:
581-593 Nov-Dec 1953. (CLML 25:5)

1. Work done at the Psychiatric Clinic of the Institute of Physiology
imienia Pavlov of the Academy of Sciences USSR in 1951-52 for thesis.

ZAKRZEWSKA, Franciszka

Considerations on J. Mazurkiewicz's physiological theory of sensations. Neurologia etc. polska 4 no.1:79-84 Ja-F '54.

1. Państwowy Instytut Psychoneurologiczny. Dyrektor: prof. dr Z. Kuligowski.
(SENSATION,
*Mazurkiewicz's physiol. theory)

ZAKRZEWSKA, Franciszka

Development and progress of the Pavlovian theory in psychiatry
in Poland since September of 1952. Neurologia etc. polska 4 no.3:
241-252 May-June 54.

1. Państwowy Instytut Psychoneurologiczny w Pruszkowie. Dyrektor:

prof. dr Z.Kulgowski.

(PHYSIOLOGY,

Pavlovian theory in Poland)

ZAIRZewska, Franciszka

Attempted revision of the Pavlovian theory in Poland. Acta physiol.
polon. 5 no.2:147-160 1954.

1. Z Państwowego Instytutu Psychoneurologicznego w Pruszkowie.
Dyrektor: prof. dr Z. Kuligowski.
(PHYSIOLOGY,
Pavlovian theory, application in Poland)

ZAKRZEWSKA, F.

"Odruchy naczynioruchowe bezwarunkowe i warunkowe w psychozach infekcyjnych" (Absolute and conditional vascular-motion reflexes in infection psychosis), by F. Zakrzewska. Reported in New Books (Nowe Ksiazki), No. 15, August 1, 1955

ZAKRZEWSKA, Franciszka

Materials to the pathophysiological analysis of the states of
catatonic stupor. Neur.&c.polska 5 no.2:177-184 Mr-Ap '55.

1. Państwowy Instytut Psychoneurologiczny w Pruszkowie. Dyrektor:
pref. dr Z. Kuligowski.
(SCHIZOPHRENIA
catatonia, pathophysiol. analysis)

ZAKRZEWSKA, Franciszka

Essay in evaluation of the motor analyisor in parkinsonism.
Neur. &c. polska 6 no.2:129-141 Mar-Apr 56.

1. Z Państwowego Instytutu Psychoneurologicznego w Pruszkowie
Dyrektor: prof. dr. Z. Kuligowski.
(PARALYSIS AGITANS, physiology,
motor analyisor funct. (Pol))

ZAKRZEWSKA, Franciszka

Effect of a small dose of chlorpromazine on vasmotor and respiratory reflexes to thermal, sound and verbal stimuli in normal subjects.
Neur. &c. polska 7 no.5:707-718 Sept-Oct 57.

1. Państwowy Instytut Psychoneurologiczny. Dyrektor: prof. Z. Kuligowski.
(RESPIRATION, physiology,
eff. of small doses of chlorpromazine on resp. reflexes
to various stimuli in normal subjects (Pol))
(CARDIOVASCULAR SYSTEM, physiology,
eff. of small doses of chlorpromazine on vasmotor reflexes
to various stimuli in normal subjects (Pol))
(CHLORPROMAZINE, effects,
on resp. & vasmotor reflexes to various stimuli in normal
subjects (Pol))

GRABOWSKI, Krzysztof; ZAKRZEWSKA, Franciszka, doc. dr.; SUJECKA-SZYMKIEWICZ, Halina

Effect of prolonged trihexyphenidyl therapy of drug-induced extrapyramidal syndromes. *Neurol., neurochir., psychiat.* Pol. 14 no.6:935-941 N-D '64

1. Z Pracowni Patofizjologii Układu Nerwowego Człowieka Państwowego Instytutu Psychoneurologicznego w Pruszkowie (Kierownik: doc. dr. F. Zakrzewska).

EXCERPTA MEDICA Sec 8 Vol 12/8 Neurology Aug 59

4077. INFLUENCE OF SMALL CHLORPROMAZINE DOSES ON VASOMOTOR AND RESPIRATORY REFLEXES, AND ON THERMIC, SOUND AND VERBAL STIMULI IN HEALTHY PEOPLE - Wpływ małej dawki chlorpromazyny na odruchy naczynioruchowe i oddechowe, na bodźce termiczne, dźwiękowe i słowne u ludzi zdrowych - Zakrzewska F. - NEUROL. NEUROCHIR. PSYCHIAT. POL. 1957, 7/8 (707-718) Graphs 10
The changes in the pneumo- and plethysmogram were examined in 8 healthy individuals after one administration of 25 mg. chlorpromazine. The conditional and unconditional reactions were reduced or inhibited. The amplitude of the breathing

4077

was increased and the number of breathing movements per min. reduced. A central activity, especially on the vasmotor ganglia, is assumed. The changes in the breathing centres are shorter in duration than those in the vasmotor ones.

Bukowsky - 2.6d1

ZAKRZENSKA, Franciszka.

Clinical and electromyographic analysis of motor disorders
in neuroleptic therapy. Neurol. neurochir. Psychiat. pol.
13 no.5:679-686 '63.

1. Z Instytutu Psychoneurologicznego w Pruszkowie. Dyrektor:
prof. W.Z.Kuligowski.

*

ZAKRZEWSKA, Franciszka; SZYMKIEWICZ, Halina; GRABOWSKI, Krzysztof.

Electromyographic analysis of the effect of a single dose of trihexyphenidyl and imipramine on extrapyramidal disorders diagnosed in neuroleptic therapy. Neurol. neurochir. psychiat. pol. 13 no.5:687-693 '63.

1. Z Państwowego Instytutu Psychoneurologicznego. Dyrektor:
prof. dr.med. W.Kuligowski.

*

ZAKRZEWSKA, Franciszka, doc. dr. med.; SUJECKA-SZYMKEWICZ, Halina;
GRABOWSKI, Krzysztof.

Clinical and electromyographic analysis of extrapyramidal symptoms caused by neuroleptics and their relation to the type of drugs.
Neurol., neurochir., psychiat. Pol. 15 no.1:93-99 Ja-F'65.

1. Z Pracowni Patofizjologii Ukladu Nerwowego Czlowieka Instytutu Psychoneurologicznego w Pruszkowie (Kierownik: doc. dr. med. F. Zakrzewska).

SUJECKA-SZYMKIEWICZ, Halina; ZAKRZEWSKA, Franciszka, doc. dr. med.;
GRABOWSKI, Krzysztof.

Clinical and electromyographic analysis of the akinetic syndrome
in neuroleptic therapy. Neurol., neurochir., psychiat. Pol. 15
no.1:101-106 Ja-F'65.

Electromyographic analysis of a single dose of orphenadrine
hydrochloride (disipal) and meprobamate on post-medication
extrapyramidal syndrome. Ibid.:107-113

1. Z Pracowni Patofizjologii Ukladu Nerwowego Czlowieka In-
stytutu Psychoneurologicznego w Pruszkowie (Kierownik Pracowni:
doc. dr. med. F. Zakrzewska).

KEMULA, Wiktor; RUEBEL, Stanislaw; ZAKRZEWSKA, Gabriela

Conditions for the polarographic determination of copper and
iron in the presence of large excess of zinc. Chem anal 8
no.1:51-58 '63.

1. Department of Inorganic Chemistry, University, Warsaw.

ZAKRZEWSKA, Genowefa (Krakow)

The susceptibility of the bull spermatozoa to the deep freezing process down to -79° C. Rocznik nauk roln. wet. 70 no. 1/4: 388-390 '60.
(EEAI 10:9)

(Bulls) (Spermatozoa)

ZAKRZEWSKA, K.

POL

Observations on browning of pre-peeled potatoes. Ludwik Rozental and Krystyna Zakrzewska (Inst. Commerce Nutrition, Warsaw). *Zeszyty Naukowe Zaladu Hig.* 5, 305-423 (1951) (English summary). A method was developed for the determination of tyrosinase activity based on the photometric measurement of the dark oxidation product of tyrosine. The optimum pH for tyrosinase activity is about 8 (phosphate buffer) and the optimum temp. is about 40°. Fe, Cu, and Co act as activators and should not be used in the production of a machine which may come in direct contact with potatoes. Cr is an inhibitor of the reaction while Zn, Al, Pb, Ni, Mn, Sr, and Mg do not appear to have any appreciable influence. Tyrosinase inhibitors *in vitro* are: SO₂ and compds. contg. this group, HCl, HNO₃, H₂SO₄, tartaric, citric, lactic, ascorbic, formic and *p*-hydroxybenzoic acids as well as Na benzoate, Na salicylate, chloramidine, and thiourea. The following substances have no appreciable effect: H₂O₂, NaNO₃, NaF, NaCl, NH₄CNS, Ninagrine M, acetic and formic acids. Tyrosinase activity is increased by ultraviolet light. Dipping of potatoes for 10-15 min. in a 0.09% soln. of H₂SO₄ or a 0.4% soln. of HCl is considered to be the most practical procedure for the prevention of browning in pre-peeled potatoes. Alina S. Szczesniak

ROZYNEK, M.; ZAKRZEWSKA-DURSKA, A.

Histopathology of scleroma treated with streptomycin. Pat.polska
6no.1:29-40 Jan-Mar '55.

1. Z Zakladu Anatomii Patologicznej A.M. w Poznaniu. Kierownik:
prof. dr J. Groniowski i z Kliniki Otolaryngologicznej A.M. w
Poznaniu Kierownik: prof.dr A. Zakrzewski.

(RHINOSCLEROMA, therapy,

streptomycin, histopathol.aspects)

(STREPTOMYCIN, therapeutic use,

rhinoscleroma, histopathol.aspects)

"APPROVED FOR RELEASE: 09/19/2001

CIA-RDP86-00513R001963620011-2

ZAKRZEWSKA-HENISZ, Anna

The role of ATP-ase in the active transport of Na⁺ and K⁺ ions.
Postepy biochem 11 no.2:161-168 '65.

APPROVED FOR RELEASE: 09/19/2001

CIA-RDP86-00513R001963620011-2"

ZAKRZEWSKA-HENISZ, Anna

Mechanism of thyroid iodine uptake. Pol. tyg. lek. 20 no.38:
1432-1434 20 S '65.

1. Z Zakladu Ochrony Zdrowia Instytutu Badan Jadrowych (Kierownik:
prof. dr. Edward Kowalski).

ZAKRZEWSKI, A.

"Analysis of the Carp Supply in 1952." P. 5, (GOSPODARK RYENA,
Vol. 5, No. 10, Oct. 1953. Warszawa, Poland.)

SO: Monthly List of East European Accessions, (EEAL), LC,
Vol. 3, No. 12, Dec. 1954, Uncl.

ZAKRZEWSKI, A.

"Analysis of the Supply of Fresh-Water Fish in 1952." P. 11,
(GOSPODARKA RYBNA, Vol. 5, No. 9, Sept. 1953. Warszawa, Poland.)

SO: Monthly List of East European Accessions, (EEAL), LC,
Vol. 3, No. 12, Dec. 1954, Uncl.

ZAKRZEWSKI, A.

Zakrzewski, A. Fresh-water fish deliveries for the Central Administration of
the Fish Industry in recent years. p.12.

GOSPODARKA RYBNA

Vol. 7, no. 5, May 1955

Warszawa, Poland

See: Monthly List of East European Accessions, (EEAL), LC, Vol. 5, No. 10. Oct. 56.

ZAKRZEWSKI, A.

ZAKRZEWSKI, A. Eel deliveries in 1955. p. 15 GOSPODARKE RYBNA
Warszawa, Poland. Vol. 8, No. 3, Mar. 1956

SOURCE: East European Accessions List (EEAL) LC Vol. 5, No. 6,
June 1956

ZAKRZEWSKI, Aleksander

Lipoma of the larynx (subglottic localization). Otolaryng. Tel.
19 Nov. 1965.

1. Z Kliniki Otolaryngologicznej Akademii Medycznej w Poznaniu
(Kierownik Kliniki: prof. dr. A. Zakrzewski).

ZAKRZEWSKI, Aleksander, prof. dr.; DURSKA-ZAKRZEWSKA, Aleksandra

Concerning the treatment of the open transverse lacerations
of the larynx. Otolaryng. Pol. 19 no.2:181-186 '65.

l. Z Kliniki Otolaryngologicznej Akademii Medycznej w Poznaniu
(Kierownik: prof. dr. A. Zakrzewski).

"APPROVED FOR RELEASE: 09/19/2001

CIA-RDP86-00513R001963620011-2

ZAKRZEWSKI, Andrzej, mgr

Publisher's carelessness. Problemy 19 (1.e.41) no. 3, 1971-1972.

APPROVED FOR RELEASE: 09/19/2001

CIA-RDP86-00513R001963620011-2"

POLAND

WACHNIK, Zenon, Dr. and ZAKRZEWSKI, Aleksander, Chair of Epizootiology (Katedra Epizootiologii) (Director: Prof. Dr. Tadeusz SOBIECH) and the Chair of Pathological Anatomy (Katedra Anatomii Patologicznej) (Director: Prof. Dr. Aleksander ZAKRZEWSKI), both of the WSR [Wysza Szkoła Rolnicza, Higher School of Agriculture] in Wrocław

"Roeckl's Granuloma in Light of Authors' Observations."

Warsaw-Lublin, Medycyna Weterynaryjna, Vol 19, No 7, Jul 63,
pp 357-360

Abstract: [Author's English summary] Authors describe Roeckl's granuloma in 9 imported bulls aged 1.5 to 6 years. Tumors, up to a hen's egg in size, were found in the breast subcutaneous tissue. The histopathological picture corresponded to that found in the literature. Biological and culture tests were negative. There are 7 references: one Polish, and two each Swiss, German, and French.

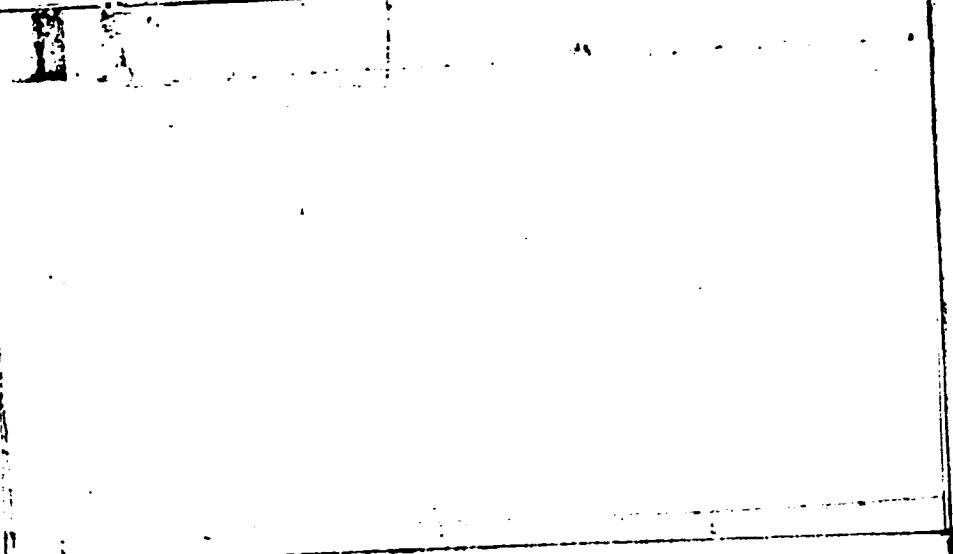
1/1

EXCERPTA MEDICA Sec 11 Vol 12/4 O.R.L. Apr 59

721. OPERATIVE TREATMENT IN CLEFT PALATE WITH THE USE OF A PHARYNGEAL FLAP - Uwagi do postępowania operacyjnego w rozszczepach podniebienia z użyciem plata gardłowego - Zakrzewski A. Klin. Otolaryngol. A.M., Poznań - OTOLARYNG. POL. 1958, 12/1 (43-45)

Illus. 4

The author gives a description of a personal modification. The pharyngeal flap pedunculated above, adequately long and large, is turned in such a way that the membranous surface after the suturing of the flap is directed, not to the nasal cavity as in the Rosenthal's operation, but to the oral cavity.



ZAKRZEWSKI, Aleksandr.

Management of otogenic abscesses of the brain and of the cerebellum. Otolar.polska 9 no.4:289-294 1955.
(BRAIN, abscess,
otogenic, ther.)
(CEREBELLUM, abscess,
otogenic, ther.)
(ABSCESS,
brain & cerebellum, otogenic, ther.)

ZAKRZEWSKI, Aleksander; SZLEZAK, L.

Case of pharyngeal neurofibroma (neurinoma, neurilemmoma, schwannoma)
Otolaryngologia polska 9 no.4:355-358 1955.

1. Z Kliniki Otolaryngologicznej A M w Poznaniu. Kierownik Kliniki:
prof. dr A. Zakrzewski.

(NEURILEMMOMA,

Pharynx, case report)

(PHARYNX, neoplasms,

neurilemmoma, case report)

ZAKRZEWSKI, Aleksander; MOLL, J.; SZLEZAK, L.

Management of cases of complete cicatricial stenosis of the esophagus. *Otolaryngologia Polska* 10 no.1:1-4 1956.

1. Z Kliniki Otolaryngologicznej A.M. w Poznaniu Kierownik:
prof. dr. A. Zakrzewski i Oddzialu Torakochirurgii Szpitala
Miejskiego w Poznaniu Ordynator: doc. dr. J. Moll.

(*ESOPHAGUS, stenosis,
caustic, complete, surg. (Pol)*)

ZAKRZEWSKI, Aleksander

Unusual radiological pictures of the thorax in vegetative foreign bodies of the bronchial tree. Otolaryngologia Polska 10 no.1:57-59 1956.

1. Z Kliniki Otolaryngologicznej A.M. w Poznaniu Kierownik: prof. dr. A. Zakrzewski.

(BRONCHI, foreign bodies,
causing pneumothorax in child, x-ray (Pol))

(PNEUMOTHORAX, etiology and pathogenesis,
caused by bronchial for. body in child, x-ray (Pol))

EXCERPTA MEDICA Sec.11 Vol.10/3 Oto-Rhino-Laryngo Mar57
ZAKRZEWSKI A.

567. ZAKRZEWSKI A. Klin. Otolaryngol. A.M., Poznań. *Próba chemicznej dewitalizacji ściany kostnej torebki błędnika w otoczeniu wytworzzonego okienka w przypadkach otosklerozy. Trial with chemical devitalization of the osseous wall of the otic capsule in the environment of the fenestra ovalis in the otosclerosis cases OTOLARYNG. POL. 1956, 10/3-4 (259-263)

In the last 3 yr. at the otolaryngological clinic in Poznań, trials were made of chemical devitalization of the osseous capsule of the labyrinth, directly before fenestration in the cases of otosclerosis. The experimental investigations were made on animals and concerned the course of regeneration of the osseous tissue in the cases of application of regeneration inhibiting drugs.

ZAKRZEWSKI, Aleksander; ZAKRZEWSKA, Aleksandra

Therapeutic value of terramycin (oxytetracycline) in certain forms
of scleroma. Otolaryngol. polska 10 no.3-4:451-453 1956.

1. Z Kliniki Otolaryngologicznej A.M. w Poznaniu. Kierownik:
prof. dr. A. Zakrzewski, Poznan, Przybyszewskiego 49.

(RHINOSCLEROMA, therapy,
oxytetracycline (Pol))

(OXYTETRACYCLINE, therapeutic use,
rhinoscleroma (Pol))

ZAKRZEWSKI
EXCERPTA MEDICA Sec. 11 Vol. 11/7 O.R.L., July 58

1141. THE OPERATIVE TREATMENT OF THE CONGENITAL LATERAL CERVICAL FISTULAS - Uwagi do operacyjnego leczenia wrodzonych bocznych przetok sztywnych - Zakrzewski A. Klin. Otolaryngol. AM., Poznań - OTOLARYNG. POL. 1957, 11/3 (247-251) Illus. 7

Description of a case of congenital lateral fistula of the neck in a man 33 yr. old. The fistula was prepared along its entire length from the upper outlet in the pharynx within the palato-pharyngeal arch up to the lower termination situated several cm. below the clavicle. The length of the prepared fistula amounted to 14.5 cm. The pharyngeal section of the fistula was prepared directly after the removal of the palatine tonsil. During the preparation there was introduced to the fistula a thin but very flexible sound proposed some time ago by Dobrzański for performing posterior tamponade of the nose. The author is of the opinion that it is an error to leave the upper section of the fistula within the pharynx. The upper section of the fistula as well as the lateral branchings, if any, should be thoroughly prepared and removed.

ZAKRZEWSKI,
ZAKRZEWSKI, Aleksander

A modification of the esophagoscopic tube adapted for the removal
of an open safety pin pointing upward from the esophagus. Otolar.
olska 11 no.4:441-444 1957.

l. Z Kliniki Otolaryngologicznej A. M. w Poznaniu. Kierownik: prof.
A. Zakrzewski.

(ESOPHAGUS, for. bodies
open safety pin pointing upward, removal with modified
esophagoscopic tube (Pol))

ZAKRZEWSKI, A.

Remarks on the surgical treatment of cleft palate with pharyngeal flap.
Otolaryngologia polska 12 no. 1:43-45 1958.

1. Z Kliniki Otolaryngologicznej A. M. w Poznaniu Kierownik: prof. dr
A. Zakrzewski.

(CLEFT PALATE, surg.
with pedunculated pharyngeal flap (Pol))

(PHARYNX, surg.
pedunculated flap in repair of cleft palate (Pol))

ZAKRZEWSKI, A.

Spontaneous extracranial aneurysms of the internal carotid artery.
Otolar. polska 12 no.2:113-119 1958.

1. Z Kliniki Otolaryngologicznej A. M. w Poznaniu Kierownik Kliniki:
prof. dr A. Zakrzewski.

(ARTERIES, CAROTID, aneurysms
internal carotid artery, cases of spontaneous extracranial
aneurysms (Pol))

ZAKRZEWSKI, Aleksander; DURSKA-ZAKRZEWSKA, Aleksandra; WOJTOWICZ, Jerzy

On surgical treatment in complete obliteration of the upper part of the trachea and larynx in subglottic portion. Otolaryng. Pol. 19 no.3:301-307 '65.

1. Z Kliniki Chorob Gardla, Nosa i Ucha AM w Poznaniu (Kierownik: prof. dr. A. Zakrzewski) i z Zakladu Radiologii (Kierownik: prof. dr. B. Gladysz).

POLAND

KASZUBKIEWICZ, Czeslaw; MICHALSKI, Zbigniew; and ZAKRZEWSKI, Aleksander,
Chair Pathological Anatomy of Veterinary College of Agricultural University
Wroclaw

"Observations on Infectious Wasting Inflammation of the Nose in Pigs"

Lublin, Medycyna Weterynaryjna, Vol 22, No 10, Oct 66; p. 584-588

Abstract [English summary modified]: Data on infectious atrophic rhinitis in pigs on 3 large farms 1962-64, and in inoculated rabbits: mode of transmission of disease is unpredictable and undeterminable although elimination of all sick from a herd seems to arrest progress; however, some animals may be only apparently healthy. Some sick sows may have healthy litters. Table, 3 photographs of sick animals, 6 of pathological specimens; 1 Czech, 5 Soviet, 5 Polish, 2 Western references.

1/1

ZAKRZEWSKI, Aleksander; KULCZYNSSKA-KRZYZAGORSKA, Irena; GERWEL, Tadeusz

Apropos of closing large postoperative retrocochlear fistulae
using reversed musculo-perosteal flaps. Otolaryng. Pol. 18 no.4:
499-502 '64

1. Z Kliniki Otolaryngologicznej Akademii Medycznej w Poznaniu
(Kierownik: prof. dr. med. A. Zakrzewski) i z Oddzialu Otolaryngologicznego Szpitala Miejskiego w Gdyni (Ordynator: dr.
med: T. Gerwel).

ZAKRZEWSKI, Aleksander; DONIGIEWICZ, Krzysztof

Apropos of the morphogenesis of vesical hematuria in cattle.
Pat. Pol. 15 no.1:47-61 Ja-Mr'64

1. Z Katedry Anatomii Patologicznej WSR we Wrocławiu (kierownik: prof.dr.med. A.Zakrzewski) i z Powiatowego Zarządu Weterynaryjnego w Nowym Sączu (kierownik: dr.wet. K.Donigiewicz).

ZAKRZEWSKI, A.

Clinical tests for the acuity of directional hearing. Bull soc.
amis sci Poznan [Med] Ser. C no.10:7-14 '61.
(HEARING TESTS)

ZAKRZEWSKI, R.

- Warren, *Equine Veterinary* Vol. 10, No. 2, February 1962.

 1. "Role of Minerals in the Problem of Disease," Prof. Dr. Alexander LUKASZEK, pp. 63-68.
 2. The Problem of *Pseudomiasis*, Stanislaw KERON of the Research Office for Diseases of the Institute of Veterinary Science (Lublin), *veterinaria* in Lublin, *Veterinary Science* (Lublin), pp. 68-71.
 3. "New Diseases and the Types of Virile Fungi in the Provinces of Lublin, Kielce and Silesia," Production of Fungi of the *Candida* and *Penicillium* of the Family of *Aspergillus* [Fizjologia (Physical) Bacteriology, *Veterinary Medicine* (Veterinary)], Faculty of Veterinary Sciences, Lublin University, *Vieoklasyfikacja* (Classification) of the New [Szczegolne dziala specjalizacji] at Warren (Dziekan), Faculty of Animal Breeding, at Warren (Dziekan), Prof. Dr. Roman HORNIK, pp. 72-79 (Polish summary).
 4. "Injuries to Cattle," Prof. R. J. SZAFEROWICZ, pp. 76-77.
 5. "Epidemiology of Cattle in Poland during 1957-1960," Epidemiologia zwierciadla of the Wojewodzkiego Instytutu Naukowego im. Karola Kurpińskiego at Warsaw (Dziekan), Faculty of Veterinary Medicine, at Warsaw (Dziekan), Prof. J. KURPIŃSKI, pp. 83-84.
 6. "Diseases in Wild Animals in Poland During 1957-1960," Prace zoologiczno-zoohygieniczne Research Office, Zaklad Biologiczny i Zoohigieniczny at Lublin, Zaklad Biologiczny i Zoohigieniczny of the IMH [Panstwowy Zaklad Naukowo-Dydaktyczny] at Warsaw (Dziekan), Prof. Dr. Janusz KURPIŃSKI, pp. 85-86.
 7. "Attempts to Differentiate Strains of the *Leptospiral* Species, Virus on the Basis of the Antigenic Activity," Prof. Dr. M. KIRYLINSKI, pp. 88-91.
 8. "Notes on the Subacute Type in Horses," Prof. M. KIRYLINSKI, pp. 92-93.
 9. "Notes on the Subacute Type in Horses," Prof. M. KIRYLINSKI, pp. 94-95.

2

ZAKRZEWSKI, Aleksander; SZLEZAK, Ludwik; MOLL, Jan

Remote results of the treatment of cicatricial stenosis of the esophagus in children. Otolaryngologia Polska 14 no.4:425-430 '60.

1. Z Kliniki Otolaryngologicznej A.M. w Poznaniu, Kierownik: prof. dr med. A.Zakrzewski. Z Oddziału Torakochirurgii Szpitala Miejskiego w Poznaniu, Kierownik: doc. dr med. J.Moll.
(ESOPHAGEAL STENOSIS in inf & child)

ZAKRZEWSKI, Andrzej, inz.

Identification and processing of plastic materials. ~~Honyz~~ techn no.12:
554-557 '61.

ZAKRZEWSKI, Antoni

Differentiation of wage incentives. Praca zabezp spol 3 nc.10:
38-43 '61.

ZAKRZEWSKI, B.; ONISKO, W.

Resin oils, p. 17. (PRZEMYSŁ DRZEWNY, Warszawa, Vol. 6, no. 3, Mar. 1955.)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, No. 1, Jan. 1955,
Uncl.

ZAKRZEWSKI, B., mgr inz.

"Sorting cyclone in the washer scheme" by C. Krijgsman,
J.N.J. Leeman. Reviewed by B. Zakrzewski. Przegl gorn 19
no.4:164-165 Ap '63.

"Behavior of the finest grains during various treatments
with consideration of the economic effects" by G. Burton,
A. Lefebure. Reviewed by B. Zakrzewski. Ibid.:170-171

"Treatment of the flotation wastes by flocculation and
following dehydration on disk filters" by M. Renie.
Reviewed by B. Zakrzewski. Ibid.:181-182

WAGLowski, Stanislaw; mgr inz.; ZAKRZEWSKI, Bogdan, mgr inz.

Utilization of WTI measuring induction converters for
measurements and recording pressures and flow intensities.
Energetyka Pol 17 no.10:Supplement:Biul inst energetyki
5 no.9-10:~~35-37~~ 0 '63.

1. Pracownia Automatyki Cieplnej, Instytut Energetyki, Warszawa.

ZAKRZEWSKI E.

4E3a.

5805

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2

Zakrzewski E. AE-3 Gas Turbine of 1 MW Output.

"Turbina gazowa AE-3 o mocy 1 MW". Energetyka Przemysłowa - Gospodarka Cleplna, No. 1-2, 1958, pp. 37-40, 12 figs.

The gas turbine worked out by the Institute of Heat Technology has a rated speed of 6820 r.p.m. and an anticipated overall efficiency amounting to 26.1%. Starting up the turbine is effected by means of an electric motor of a rating 55 kW and a speed 1440 r.p.m., which, through a uni-directional coupling, drives the rotor of a compressor supplying compressed air to the firing chamber. The turbine is controlled during operation from an operating desk from which the range of regulation can also be varied. The turbine is fitted with a device to shut off the turbine automatically in case of emergency or damage, and to signal the danger visually and acoustically. Causes which may bring the protective device into action may be excessive speed increase, excessive temperature rise in any of bearings or in the firing chamber, or dangerous longitudinal dilatation of the turbine casing.

ZAKRZEWSKI, H.; JUMRYCH, B.

Electronic chronaximeter. Acta physiol. polon. 8 no.3:579-580 1957.

1. Z Pracowni Naukowo-Technicznej Zakladu Fizjologii Instytutu
Naukowego Kultury Fizycznej w Warszawie. Kierownik: prof. dr Wl. Missiuro.
(NEUROPHYSIOLOGY, apparatusand instruments,
electric chronaximeter (Pol))

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Bojarczuk, J., Master of Engineering; J. Brzezinski, Master of Engineering; I. Dobosz, Master of Engineering; A. Dobroszycki, Master of Engineering; Z. Horwitz, Master of Engineering; J. Jacek, Master of Engineering; M. Karpowicz, Master of Engineering; M. Kowalewski, Master of Engineering; M. Laskowski, Master of Engineering; J. Lorkiewicz, Master of Engineering; J. Pochmurny, Doctor of Engineering; W. Wieliczko, Master of Engineering; F. Wilimowski, Master of Engineering; M. Wlasiuk, Master of Engineering; K. Zdziarski, Scientific Coordinator, Research Institute of Engineering; and H. Szewali, Scientific Coordinator, Research Institute of Science

(Co.) Jakie produced a theory of atomach (What Can Be Produced From Plastic and Metal). Marcin Pajtakowicz worked on "Technique No. 9559." (Series) Theory of atomach presented in 120 pages.

413 D. (Series) Theory of atomach presented in 120 pages.

413 D. (Series) Theory of atomach presented in 120 pages.

413 D. (Series) Theory of atomach presented in 120 pages.

60 i Jak produkować z tworzyw sztucznych (What Can Be Produced From Plastics And How) Warszawa, Państwowe Wyd-wo Techniczne, 1959.
613 P. (Series: Tworzywa sztuczne przemysłowe i zastosowanie) Sztuka alipisowa włożona. 5,251 donne numerowane.

Coordinator of the Work: J. Brzeski, Master of Engineering;
Reviewer: St. Gaudyński, Master of Engineering; Scientific Ed.

E. Knobell, Master in Science, Tech. Ed.: A. Urbanek.

Promotion: This book is intended for chemists and equipment designers in the Plastics industry. It will be of interest to students of the Plastics industry.

COVERAGE: This book, one of a series on the plastics industry, is divided into two parts. The first part discusses the classification of plastics, methods of production and the most common

Introduction.—The basic properties of individual plastics are given in tabular form along with testing methods. The second part contains a general discussion of all known methods of processing plastics, thermoplastic, and thermosetting, including the manufacture of end-products.

settling plastics. The design, construction, and parts of processing machines are described. The techniques of drawing, crystallization, and welding of plastics are also treated. A listing of terminology used in the plastics industry is included. A table includes the trade names and producers of major plastics. No references are given.

8/21/2018

677.019 : 677.054.22

Zakrzewski J. Parabolic Approximation of the Distance of the Shaft.
"Aproxymacja paraboliczna drogi nicielnicy". Przemysl Wloklarniczy. No. 3, 1955, pp. 82-85.

The determined conditions required of the function $S = f(t)$ and its derivatives are expressed in the form of a polynomial of the eleventh degree.

$$S = \sum_{i=0}^{11} x_i t^i$$

(where x_i denote the coefficients of polynomial). The velocity and acceleration of the shaft are computed and the results presented in the form of the following graphs: distance $S = f(t)$, velocity $V = f'(t)$ and acceleration $P = f''(t)$ in the system (t, S). *Meth*

ZAKRZEWSKI, J.

POL.

2901. PROTOTYPE OF A POLISH METHANOMETER. Kurszawa, S., Jeluda, K.,
Zakrzewski, J. and Biernacki, K. (Przegl. gorn. (Min. Rev.), July/Aug.
1934, vol. 40, p. 276; abstr. in Iron Coal Tr. Rev., 10 Dec. 1934, vol.
169, p. 400). The new Polish methanometer is based on the principle of
determination of the heats of combustion of mixtures of mine gas and air
according to the volumetric capacity of the heating element. The differences
in temperature thus determined cause changes in the electrical resistance of a
platinum spiral, which are measured by means of a Wheatstone bridge. N.C.B.

LL

FIRE DAMP GAUGE
E.T.

Kurkiewicz S., Jachoda K., Uskrzowski J., Biernacki K. Prototype of the
Polish Methanometer.

"Prototyp polskiego gazomierza". Przeglad Gorniczy Nr. 7
1956, pp. 274-276, 2 figs.

The fire-damp gauge is based on changes in the electric resistance, conditioned by different temperatures resulting from combustion of methane-air mixture and depending on methane content. Description of apparatus and of method of operation. Size 10x13x7.5 cm, weight 2.5 kg
Accuracy of about 0.1% per cent of CH₄

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A222/A026

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AUTHOR: Niewodniczański, Henryk; Zakrzewski, Jerzy

TITLE: The First "Big Cyclotron" in Poland

PERIODICAL: Nukleonika, 1960, No. 1-2, Supplement Nr. 1

TEXT: The authors present a detailed description of a cyclic resonance accelerator (first built by E. O. Lawrence in 1932) built at the Kraków center of the Instytut Badań Jadrowych PAN (Nuclear Research Institute of the Polish Academy of Sciences). Basic parts of the "Y-120" cyclotron were furnished by the USSR according to an agreement on international cooperation in nuclear research. The installation has been officially put into operation on November 22, 1958. Chief contractor of the building construction project, which started in the second quarter of 1956, was Zarząd Budowlano-Montażowy (Construction and Assembly Administration) of Zjednoczenie Przemysłowe Budowy Huty im. Lenina (Industrial Union for the Construction of the Metallurgical Plant "im. Lenina"), while general supervision was executed by Zarząd Inwestycji Badań Jadrowych (Administration of Nuclear Research Investments). Basic technical data of the cyclotron are:

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The First "Big Cyclotron" in Poland

diameter of electromagnet pole pieces - 120 cm; height of the gap between pole pieces - 34.5 cm; total weight of the electromagnet core - 120 tons; capacity of electromagnet winding at a magnetic field intensity of 15 kOe - 100 kw; stabilization of the magnetic field - \pm 0.03%; capacity of h.f. generator - 120 kw; frequency of the resonance circuit - 9-15 mc; frequency stabilization - 0.01%; voltage amplitude between dees - 150 kv; inside height of acceleration chamber - 17 cm; effective edge radius - 52.5 cm; deflector voltage - 60 kv; energy of deuterons - 13 mev; energy of particles - 26 mev; ion stream on inside beryllium window - 1 ma. Gabarite dimensions of the electromagnet are $4.35 \times 2.86 \times 1.5$ m. The high vacuum diffusion assemblies are aided by cryogenic nitrogen-cooled traps and capable of producing a vacuum of $5 \cdot 10^{-7}$ mm Hg. Under operational conditions, the vacuum in the installation is of the order 10^{-5} mm Hg. The cyclotron draws 500 kw of electric power. The outlined program foresees work on proper shaping of the magnetic field to make possible acceleration of protons to 30 mev and more. The research program is mainly concerned with stripping, especially with polarization effects relevant to the phenomenon. At present, research is conducted on the polarization of neutrons evolved in deuteron stripping on ^{12}C nuclei. To that end use is

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The First "Big Cyclotron" in Poland

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made of special equipment built by Zakład II IBJ (Department II of the Nuclear Research Institute), which consists of a proportional helium pressure counter (about 10 atm) and proper electronic apparatus with a ten-channel amplitude analyzer operating in coincidence with scintillation neutron counters (Hornjak type) to establish the asymmetry of dexter and sinister dispersion, thus determining the degree of neutron polarization. Preliminary results confirmed polarization of neutrons from the reaction $^{12}\text{C}(\text{d},\text{n})\ ^{13}\text{N}$ for a reaction angle of 15° in a laboratory set-up. With a view to further research work on these problems, construction of a magnetic energy analyzer of neutrons evolved in the stripping reaction, and evading under angles different from the deuteron beam is being prepared at the Department. A number of advanced scientists of the Department were delegated for practice to foreign research centers, among them two, who have been working for 1 1/2 years on polarization effects in the stripping phenomenon at the cyclotron of the Nuclear Research Laboratory of Liverpool University. There are 3 figures and 16 photographs.

ASSOCIATION: Instytut Badań Jądrowych PAN, Ośrodek Fizyki Jądrowej
(PAN Nuclear Research Institute, Nuclear Physics Center)

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Abstract : Brief description and technical data.

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